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Claims

1. A device (10) for testing the exhaust emissions of an internal combustion engine and comprising a base station (14), an exhaust gas sensor (16), and a hand
5 portable display device (18) having data input means, wherein said base station, sensor and display device include wireless real-time data transfer means whereby data can be transmitted and received therebetween.
2. A device according to claim 1, wherein said base station (14), sensor (16) and
10 display device (18) include radio communication means whereby data can be transmitted and received therebetween.
3. A device according to claim 1 or claim 2, wherein the gas sensor (16) includes
a gas analyser.
- 15 4. A device according to any preceding claim, wherein the base station (14) includes a memory and printer.
5. A device according to any preceding claim, wherein a docking port is provided
20 on the base station for said gas sensor (16).
6. A device according to claim 5, wherein said docking port includes heating means whereby said sensor (16) can be maintained at a desired operating temperature.
- 25 7. A device according to claim 5 or claim 6, wherein said docking port is adapted to transfer data between the base station (14) and the gas sensor (16).
8. A device according to any preceding claim, and further including a docking
port for the display device (18).
- 30 9. A device according to claim 8, wherein said docking port orientates the display device (18) for use on the base station.

10. A device according to any preceding claim, and further including an engine oil temperature probe (19) having radio communication means for communicating with the display device (18).

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11. A device according to any preceding claim, wherein the base station (14) includes a smart card access device (20) for enabling a test routine.

12. A device according to any preceding claim, and further including an engine speed sensor having radio communication means for communicating with the display device (18).

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